

CERTIFICATE OF COMPLIANCE

HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

BA201 Communications Isolator.

AIS/ I, II, III / ABCDEFG – Entity; Cl201-12 [0/I] AEx ia IIC – Entity; Cl201-12 NI / I / 2 / ABCD / T5 Ta = 60°C I / 2 / IIC / T5 Ta = 60°C

Entity parameters

Terminal	Uo (V)	lo (mA)	Po (W)	Co (nF)	Lo (mH)
1-3	21.2	96	0.51	183	3.2
2-3	13.7	84	0.45	780	4.1
1-2-3	21.2	159	0.72	183	1.0

Special conditions of Use

Equipment Ratings:

Associated intrinsically safe apparatus for connection to Class I, II, and III, Division 1 and 2, Groups A, B, C, D, E, F and G; and Class I, Zone 0, Group IIC Hazardous (Classified) Locations when installed in accordance with Control Drawing Cl201-12.

Nonincendive apparatus for use in Class I, Division , Groups A, B, C and D; and Class I, Zone 2, Hazardous (Classified) Locations. Temperature Class T5 Ta = 60°C

FM Approved for:

BEKA associates Limited Hitchin, United Kingdom

^{1.} The signal conditioner shall be installed within a tool secured enclosure in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application



This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

CSA C22.2 No 157	1992
CSA C22.2 No 213	1987
CSA C22.2 No. 1010.1	2004
CSA E60079-0	2002
CSA E60079-11	2002

Original Project ID: 3029711C

Approval Granted: November 30, 2007

Subsequent Revision Reports / Date Approval Amended

Report Number 071207

Date

Report Number

Date

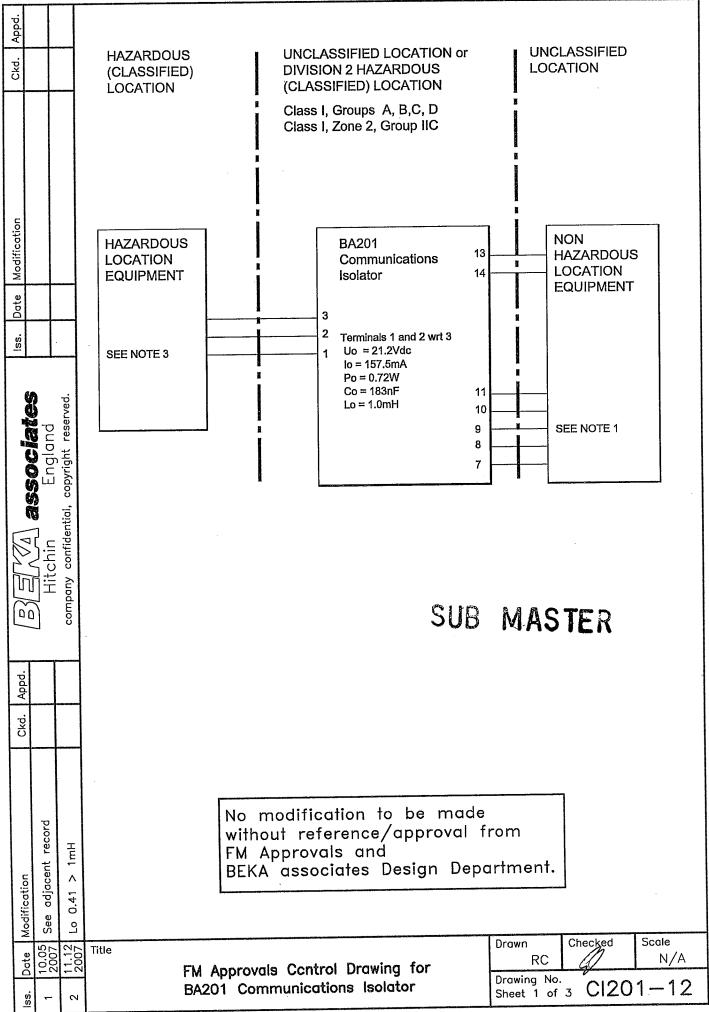
FM Approvals LLC

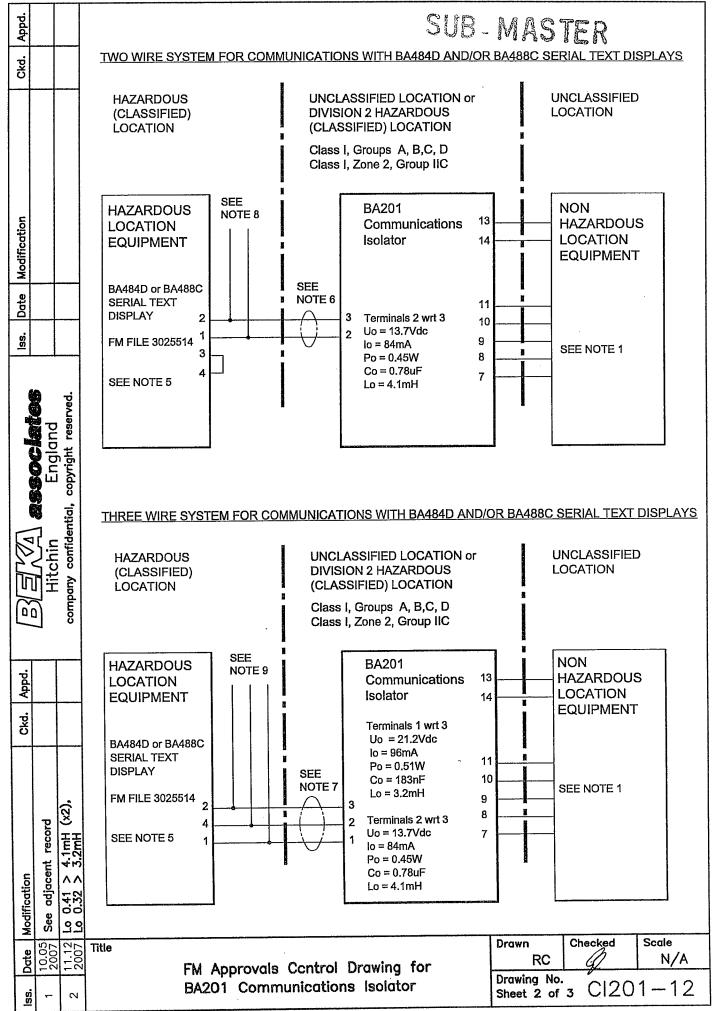
David W. Styrcula

Technical Team Manager

<u>Opril 29, 2008</u>

2





Appd.					SUB-MASTER								
Ckd.				1.	The unclassified location equipment connected to the BA201 shall not use or generate more than 250V rms or 250V dc.								
				2.	The installation shall be in accordance with ANSI/ISA RP 12.06.01 'Installation of Intrinsically Safe Systems for Hazardous (Classified) Locations' and the National Electrical Code ANSI/NFPA 70.								
					Installations in Canada shall be in accordance with the Canadian Electrical Code C22.2								
盲				3.	The Hazardous Location equipment may be:								
Modification					Simple apparatus e.g. mechanically activated switches								
Date Modi					OR FM approved equipment, or for installations in Canada CFM approved equipment, both having entity parameters complying with the following requirements:								
lss.		-				Ui li Lcable + Li Ccable +Ci	equal to or greater than equal to or greater than equal to or less than equal to or less than	Uo or Vt lo or It Lo Co					
4. The BA201 has two intrinsically safe outputs connected to terminals 1 and 2													
		tial, copyright		5.	BA484D or BA	\488C Serial Tex	t Displays FM File 30255	14					
100		confide		6.		Lcable Ccable	equal to or less than equal to or less than	4.1mH 780nF					
	J J	company		7.		For terminals 1 Lcable Ccable	and 3 of BA201 equal to or less than equal to or less than		sum of Li sum of Ci				
Appd.						For terminals 2 Lcable Ccable	and 3 of BA201 equal to or less than equal to or less than	4.1mH 780nF		·			
Ckd.				8.	Up to two BA484D and/or BA488C serial text displays may be connected to one BA201 communications isolator.								
		(x2),		9.	Up to four BA484D and/or BA488C serial text displays may be connected to one BA201 communications isolator.								
Modification	See adjacent record	Lcable 0.41 > 4.1mH Lcable 0.32 > 3.2mH		10.	When the BA201 is installed in a Division 2 or Zone 2 Hazardous location, a warning label must be prominently affixed near the BA201 which warns that the BA201 must not be removed or inserted unless the area is known to be nonhazardous.								
Date	10.05	11.12	Title		FM Appr	ovals Control	Drawing for	Drawn RC	Checked	Scale N/A			
88.	-	2			FM Approvals Centrol Drawing for BA201 Communications Isolator			Drawing No. Sheet 3 of 3 C1201-12					